

# Aditya Singh Baghel

Aspiring Data Scientist | Python, ML & Computer Vision

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👤 <https://github.com/ArBaghel> | 💬 [https://linkedin.com/comm/mynetwork/discovery-see-all?usecase=PEOPLE\\_FOLLOW&followMember=aditya-singh-baghel-562832296](https://linkedin.com/comm/mynetwork/discovery-see-all?usecase=PEOPLE_FOLLOW&followMember=aditya-singh-baghel-562832296)

## Skills

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**Hard Skills:** Python, C++, Supervised Learning, Computer Vision, Data-Driven Decision Making, Big Data Processing, Data Modeling, MySQL, Power BI

**Soft Skills:** Communication, Critical thinking, Teamwork, Problem-Solving, Team Collaboration

## Technical Projects

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### Object Detection

*Python, Computer Vision*

👤 [GitHub Repository](#)

- Implemented real-time object detection with YOLOv8 across images, videos, and webcam feeds, enhancing detection capabilities.
- Optimized inference for CPU and GPU to improve processing speed and efficiency.
- Displayed bounding boxes and confidence scores for better result interpretation.

### WhatsApp AI Health Assistant ChatBot.

*Python, Generative AI, API Integration*

👤 [GitHub Repository](#)

- AI-powered chatbot for healthcare support.
- Seamless interaction via WhatsApp messaging.
- Provides instant symptom checks & health info.
- Integrated maps to locate nearby hospitals/clinics.
- Fast, accessible, and user-friendly anytime.

### Exploratory Data Analytics

*Python, Data-Driven Decision Making, Data Visualization Tools, Data Cleaning*

👤 [GitHub Repository](#)

- Collection of exploratory data analysis (EDA) projects.
- Includes notebooks on food, loans, Netflix titles, and World Population.
- Demonstrates data cleaning, visualization, and insights.
- Built using Python & Jupyter Notebooks.

## Problem Solving & Data Structures

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Proficient in solving problems with Python data structures like lists, dictionaries, stacks, queues, trees, and graphs, supported by foundational knowledge of dynamic programming, recursion, and greedy algorithms. Demonstrates understanding of Big O analysis and optimization techniques, with practical experience using Git, VS Code, MySQL, PySpark, and NoSQL via Python APIs. Applied computer vision with OpenCV and has familiarity with system design principles such as caching and load balancing.

## Education

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### SAGE University Bhopal

B.Tech | Computer Science Engineering (2023 - 2027)

### SAGE University

B. Tech / BE | Computer Science (2027)

CGPA: 9.5

### Model Higher Secondary School

Class XII (2022)

Percentage: 87.8

### Model Higher Secondary School

Class X (2020)

Percentage: 95

## Certifications

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- [Introduction to Structured Query Language](#) - University of Michigan by Coursera (September 2025)
- [Machine learning](#) - Stanford Online by Coursera (October 2025)

## Achievements

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- Won student of the Year title in Sunstone Bhopal showcasing critical thinking & analytical skills.
- Secured victory  in intra-college Cricket  at Sunstone Bhopal, showcasing strategic thinking & teamwork.